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FOREST STEWARDSHIP MANAGEMENT PLAN

Prepared For:
Attala County Schools BOE

Prepared By:
James Wade McCulloch
Ms. Forestry Commission

Time Period Covered by This Plan:
2012 - 2021

Date Plan Prepared:
2012-02-21

Plan Type:
Stewardship / Stewardship

This plan was developed in accordance with the rules of the Stewardship program.

Property Name: West/Possumneck River Section 16-15-5

MISSISSIPPI FOREST STEWARDSHIP PROGRAM

TABLE OF CONTENTS

LANDOWNER INFORMATION	3
FORESTER INFORMATION	3
DISCLAIMER	3
INTRODUCTION	3
OBJECTIVES	4
PROPERTY DESCRIPTION	4
SOIL TYPES	5
GENERAL PROPERTY RECOMMENDATIONS	6
STRATA	7
OTHER PLAN ACTIVITIES	8
STRATA ACTIVITY SCHEDULE	9

**MISSISSIPPI FORESTRY COMMISSION
FOREST STEWARDSHIP MANAGEMENT PLAN**

LANDOWNER INFORMATION

Name: Attala County Schools BOE
Mailing Address: 100 Courthouse Bldg.
Suite 3
City, State, Zip: Kosciusko, MS 39090
Country: United States of America
Contact Numbers: Home Number:
Office Number: 662-289-2801
Fax Number:

E-mail Address:
Social Security Number (optional):

FORESTER INFORMATION

Name: James Wade McCulloch , Attala Co. Service Forester
Forester Number: 02329
Organization: Ms. Forestry Commission
Street Address: P.O. Box 576
City, State, Zip: Kosciusko, MS 39090
Contact Numbers: Office Number: 662-289-6803
Fax Number: 662-289-2627

E-mail Address: wmcculloch@mfc.state.ms.us

PROPERTY LOCATION

County:	Attala	Total Acres:	296	Latitude:	-89.79	Longitude:	33.16
Section:	16	Township:	15N	Range:	5E		

DISCLAIMER

This information was derived from a small sampling of the forest resources. It reflects a statistical estimation that is only intended to be accurate enough for the purpose of making decisions for the short-term management of these resources. These estimations are temporally static. Events and circumstances may occur within the survey area that will physically alter the forest resources and therefore will not be reflected in this plan.

INTRODUCTION

This Forest Stewardship Management Plan will serve as a guide for accomplishing the goals and objectives for your property. In addition to addressing your specific goals and objectives, this plan includes recommendations for maintaining soil and water quality and protecting your forest from insects, disease, and wildfire. Recommendations are based on observation and assessment of the site.

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FOREST STEWARDSHIP MANAGEMENT PLAN**

OBJECTIVES

Fire Protection

The goal is to protect the resource from wildfires, by establishing and maintaining firebreaks around the property; annually inspect possible signs of insect infestations and disease; and prohibit grazing until terminal bud is beyond reach of livestock.

Timber Production

The goal is to produce high quality sawtimber. This will be accomplished through reforestation and timber stand improvement practices such as herbicide applications, prescribed burning, thinning at specified intervals, and other silvicultural practices. Forestry Best Management Practices will be implemented to prevent erosion and protect water quality.

Wildlife Management - General

The goal is to provide a diversity of habitats suitable for a variety of game and non-game wildlife species. Habitat management will focus on developing a variety of food, cover, water, and space. This will be accomplished by establishing and maintaining access roads and firelanes, providing openings within the forest, and the management of trees located within the Streamside Management Zone.

PROPERTY DESCRIPTION

General Property Information

There are approximately 21 non-forested acres which include The Big Black River and its tributaries. This section is landlocked on all sides, access provided through adjacent landowners. Big Black River splits the section with Holmes County and their respective school districts. The soils for this section is best suited for bottomland hardwood production.

Archeological or Cultural Resources:

No Archeological or Cultural resources were identified during a reconnaissance of the property. However, if Archeological or Cultural resources are discovered anytime on the property special managements measures will be applied immediately in order preserve these sensitive areas.

Water Resources

Perennial water resources were identified during a reconnaissance of the property. Also, any other intermittent streams and drains identified will be managed in accordance with Mississippi's Best Management Practices.

Timber Production

The goal is to maximize the production of high quality timber. This will be accomplished through the application of timely thinning and other silvicultural practices designed to enhance timber quality and growth. Forestry Best Management Practices will be implemented to prevent erosion and protect water quality.

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FOREST STEWARDSHIP MANAGEMENT PLAN**

Threatened and Endangered Species

No threatened and endangered species were identified during the reconnaissance and evaluation of your property.

Interaction with Surrounding Property

Prescribed practices should be carried out in a manner that will minimize adverse impacts on surrounding properties. Consideration should be given to potential air, water, visual, and other impacts. In addition, practices carried out should have positive effects on the surrounding community such as improved wildlife habitat and soil stabilization.

Soils General

Soils were evaluated on the property to determine the suitability of the site for the proposed activities. Forest practices were planned so as to minimize erosion or other adverse effects on the soil. The following soils are identified for this property:

SOIL TYPES

Mr

The Morganfield component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains. The parent material consists of silty alluvium deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very high. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. A seasonal zone of water saturation is at 42 inches during January, February, March, April. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

10

The Kinston component makes up 40 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains. The parent material consists of loamy alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, May, June, November, December. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 6w. This soil meets hydric criteria. The Rosebloom component makes up 30 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains. The parent material consists of silty alluvium deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria.

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FOREST STEWARDSHIP MANAGEMENT PLAN**

GENERAL PROPERTY RECOMMENDATIONS

Forest Protection

A healthy vigorously growing stand is the best defense to an attack from a variety of forest insects, plants and pathogens.

Insects and Diseases

Trees are subject to attack from insects and diseases. Different insects and diseases affect trees according to the age, species, and condition of the trees. Planted stands of pines and pure stands of hardwoods are particularly susceptible to attack. Since there are many different insects and diseases, no attempt will be made here to explain all of them. The property should be inspected at least annually for possible signs of insect and disease activity. Some things to look for are:

- Unseasonable leaf fall
- Discoloration of leaves or needles
- Pitch pockets on pine trees
- Heavy defoliation of hardwood leaves
- Groups of three or more dying trees within a stand

This list does not cover all instances of insect or disease attacks. If anything unusual is noticed, report it to a forester. In most cases, insect and disease problems can be controlled if discovered early.

Fire Protection

Your forest should be protected from wildfire at all times. The best way to protect your investment is by establishing and maintaining firebreaks around the property. Guidelines for establishment and maintenance of firebreaks may be found in Mississippi Forestry Commission publication #107, *Mississippi's Best Management Practices*.

Grazing

Tree seedlings should be protected from grazing until such time as the terminal bud of the sapling is beyond reach of livestock. Domestic livestock should be denied access to the tree planting area.

Boundary Lines

It is the responsibility of the landowner to ensure that all property lines and boundaries designating areas to receive forestry work are clearly identified and visible to all contractors.

Note: Some forest practices may cause temporary adverse environmental or aesthetic impacts. These practices will only cause short-term adverse impacts where they are installed. Special efforts will be made to minimize adverse effects when carrying out any of the practices. Examples include: site preparation, planting, prescribed fires, firebreak installation and maintenance, road installation and maintenance, pesticide applications and timber harvesting.

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FOREST STEWARDSHIP MANAGEMENT PLAN**

Water Quality Protection

The objective of the landowner is to protect, preserve and enhance all water sources on or transecting the property. This can best be achieved by implementation of Best Management Practices in all aspects of the management of the property.

Aesthetics

The goal is to assure that the property is managed in such a way that is aesthetically pleasing to the landowner as well as the community. Activities could include, maintaining buffer strips along the road and adjacent to the home site, planting wildflowers along the road, and trees with attractive fall and spring color along the drive and near the home site.

Ecological Restoration

Ecological restoration is the process of assisting the recovery of an ecosystem that has been degraded, damaged, or destroyed. A reconnaissance of the property has been conducted and no ecological restoration activities are recommended at this time.

Wildlife Mgt. Target Species

The objective of this practice is to provide habitat best suited for the featured or target species. Habitat management will focus on providing food, cover, water, and space to facilitate the target species.

Environmental Education

Environmental educational goals are to provide educational opportunities for children and adults through the development of items such as nature trails with tree identification markers, wildlife viewing areas, picnic areas, parking, public restroom facilities.

Wildlife Management General

The goal is to provide a diversity of habitats suited for a variety of game and non-game wildlife species. Habitat management will focus on providing a variety of food, cover, water, and space. This will be accomplished, in part, by establishing and maintaining access roads and firelanes, providing openings within the forest, and leaving mast producing and den trees.

Timber Management

Timber management goals for this property are to manage timber resources in such a manner as to maximize timber production throughout the life of the stand.

Recreation

According to landowner objectives the recreational use of the property could prove to be an avenue for personal enjoyment or for generating income. An evaluation of your property should be conducted and a plan developed to accomplish your specific goals for recreational activities on your property.

STRATA

Strata 1

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FOREST STEWARDSHIP MANAGEMENT PLAN**

Strata Description

Stand: 5

Acres: 275

This area consists of bottomland hardwood sawtimber established in ~1945. There are 140 trees per acre with 150 square feet of basal area in this stand.

Strata Recommendations

At this time no activities are planned. However, the timber is maturing and a reassessment in the future may indicate a need to at least conduct a thinning operation on this timber if not a final harvest to allow natural regeneration.

OTHER PLAN ACTIVITIES

Boundary Lines

Line Description

These are the outside boundary lines of Sec.16-T15N-R5E.

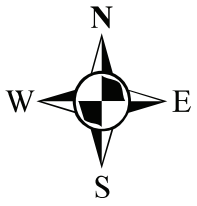
Line Recommendations

The boundary lines need permanent lines pushed around them and the boundary trees need to be marked in paint every six years.

Activity Recommendations

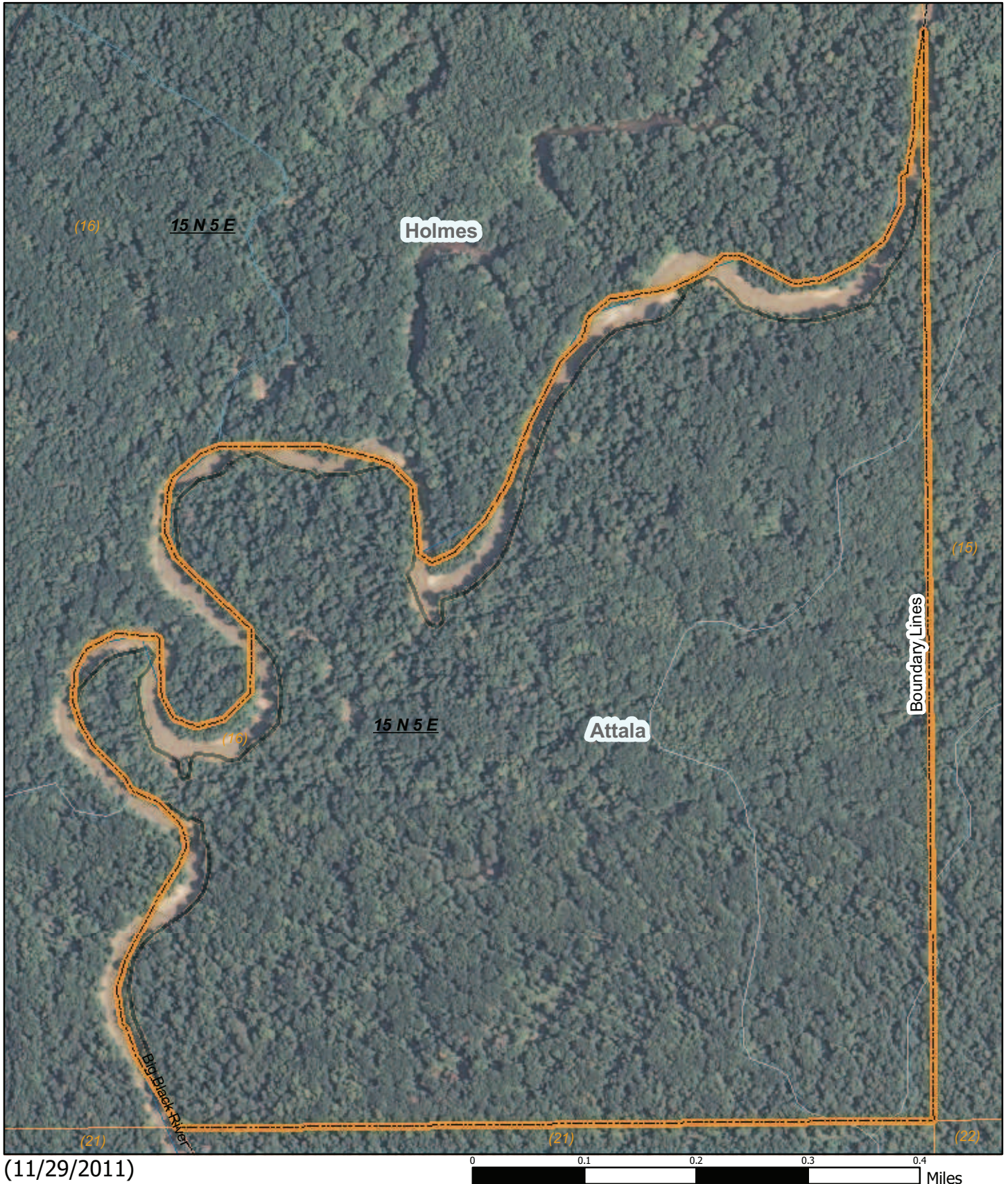
Property Activities

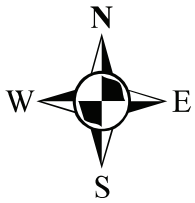
Routine inspections and general maintenance of the roads, Firelanes, and boundary lines will ensure overall appearance and aesthetics of the property. The boundary lines will need to be painted in 2013 and again in 2019.



Attala Co. BOE - West/Possumneck River Section

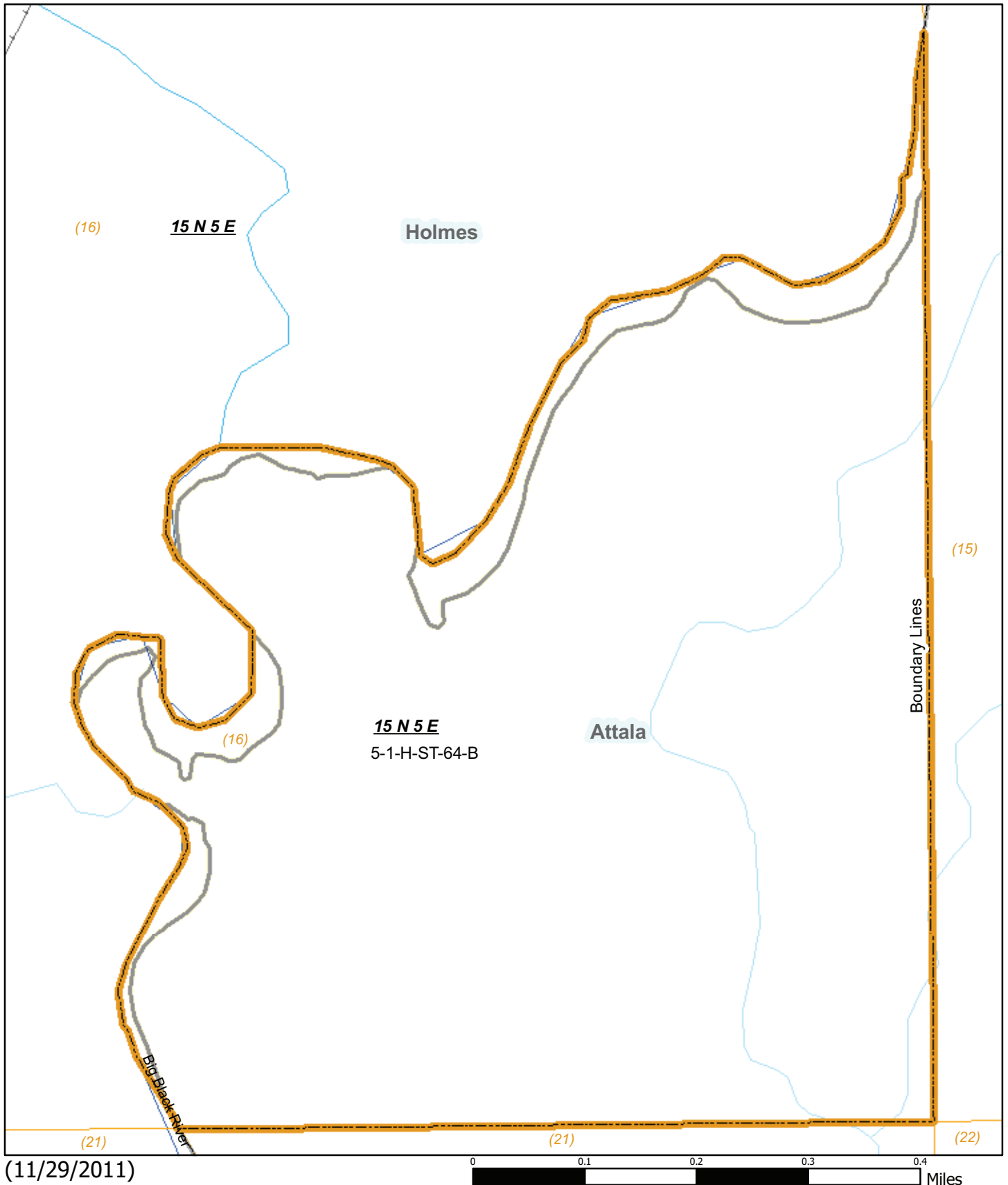
S16 T15N R5E
2012 to 2021
295.81 Acres





Attala Co. BOE - West/Possumneck River Section

S16 T15N R5E
2012 to 2021
295.81 Acres





Property

Property

Category 1: Stands

Clear Cut
 Non-Stocked
 Reproduction
 Sub-Merchantable
 Pulpwood
 Chip-n-Saw
 Sawtimber
 Poles

Category 2: Stands

Clear Cut
 Non-Stocked
 Reproduction
 Sub-Merchantable
 Pulpwood
 Chip-n-Saw
 Sawtimber
 Poles

Category 3: Non-Forest Stands

Non-Forest

Category 4: Not in Plan Stands

Not in Plan

Category 5: Features Only Plan Stand

Features Only Plan

Restricted Sites

Archeology
 Cemetery
 Red-Cockaded Woodpecker
 Gopher Tortoise
 Picture Bogg Plant

Forest Health (Points)

Cogan Grass
 Kudzu
 Japanese Climbing Fern
 Chinese Tallow
 Privet
 Southern Pine Beetle
 Sirex Wasp
 IPPS

Hydrology (Points)

Concrete Dam
 Beaver Dam
 Earthen Dam
 Permanent
 Temporary
 Wooden
 Other
 Culvert
 Pond

Wildlife (Points)

Food Plot
 Water Hole
 Feeder

Boundary Corners

Property
 Section
 Quarter Section
 Areas

Structures

Barn
 Tractor Shed
 Out Building
 Single-Family
 Multi-Family
 Camp House
 Club House
 Office Building
 Manufacturing
 Warehouse
 Chicken House
 Horse Stall
 Milking Parlor
 Hog Pen
 Blind
 Stand
 Hospital
 Nursing Home
 Dr. Clinic
 State Facility
 Office
 Work Center
 Materials Depot
 Prison
 School
 Church
 Mosque
 Synagogue
 Other

Cruise Plots

Pre-Cruise
 Post-Cruise

Other

Towers
 Logging Deck
 Locked
 UnLocked
 Water
 Oil
 Natural Gas

Property Roads/Trails

Drive Ways
 Access Road
 Logging Road
 Skid Trail
 Farm Road
 Hiking Trail
 Horseback Riding Trail

Boundary Lines

Archeology
 Cemetery
 Drilling Sites
 Education

Boundary Lines (cont)

Forest Health
 Invasive Species
 Management Compartment
 Military Area
 Natural Area
 Property
 Recreation
 Rights of Way
 SMZ
 Special Use
 Stand
 Surface Mining
 Threatened/Endangered Species
 Visual Buffer

Fire Control

Temporary Line
 Permanent Fire Break

Wildlife (Lines)

Green Strip

Fire

Mitigation Burn
 Silviculture Burn
 Site-Prep Burn
 Wildfire

School Land Lease

Hunting
 Minerals
 Recreation

Restricted Area

SMZ
 Archeology
 Cemetery
 Visual Buffer
 Special Use
 Natural Area
 Education
 Recreation
 Military Area
 Large Utility
 Red-Cockaded Woodpecker
 Gopher Tortoise
 Picture Bogg Plant
 Coal
 Gravel
 Dirt
 Water
 Oil
 Natural Gas

Forest Health (Polygons)

Cogan Grass
 Kudzu
 Japanese Climbing Fern
 Chinese Tallow
 Privet
 Southern Pine Beetle
 Sirex Wasp
 IPPS

School Land Classification

Forest Land
 Farm/Residential Land
 Residential Land
 Agricultural Land
 Industrial Land
 Recreational Land
 Catfish Farming Land
 Other Land
 Commercial Land

Management Compartment

Management
 Regeneration
 Site Preparation
 Post Plant
 Site Improvement
 Vegetation Control
 Stand Improvement
 Invasive Species Control
 Harvest
 Fire Protection
 Technical
 Wildlife Management
 Property Activities
 Roads
 SMZ
 Forest Health
 Recreation
 Site Restoration

Transportation (Lines)

City Streets
 County Roads
 3 Digit Highway
 Interstate Highway
 US Highway
 State Highway
 Natchez Trace Parkway
 Runways/Airports
 Active RR
 Abandoned RR

Hydrology (Lines)

Mississippi River
 Major River
 Primary Stream
 Intermittent Stream
 Canal
 Ditch
 Earthen Dam
 Concrete Dam

Utilities (Lines)

Large Electrical
 Local Utility
 Large Pipeline
 Small Pipeline
 Gas Line
 Utility Line
 Water Line

Stand Activity Schedule for
Attala County Schools BOE
16 15N 5E

Strata	Stand	Activity	Acre	Est. Cost	Est. Revenue
Yearly Totals			0	\$0.00	\$0.00
Grand Totals			0	\$0.00	\$0.00